

Model RK1

➤ *Owner's Guide*

limited lifetime consumer warranty

This Ungo Pro Security system is warranted against defects in material and workmanship. The main unit is covered by this limited lifetime warranty. This Limited Lifetime Warranty applies to Ungo Pro Security systems that have been installed by an authorized Ungo Pro Security dealer. This warranty is to the Original Purchaser ("Owner") and to the original vehicle in which it was installed into. This warranty is not transferable to any subsequent owner(s) of the product(s).

Warranty Program:

Main Unit	Limited Lifetime
Remote Controls	One year from date of purchase
Siren	One year from date of purchase
Shock Sensor	One year from date of purchase
LED	One year from date of purchase
Override Switch	One year from date of purchase

The Warranty does not cover batteries or products deemed damaged through alterations or installation. It also does not cover products mishandled, misused, neglected, abused, water damaged, or with removed/altered serial numbers.

PROOF OF PURCHASE WILL BE REQUIRED FOR WARRANTY SERVICE OF THIS PRODUCT.

This warranty does not cover the costs incurred for removal or reinstallation of the main unit and/or any damage to the vehicle or the vehicle's electrical system.

The sole responsibility of Clarion Corporation of America ("Clarion") under this Warranty shall be limited to the repair or replacement of the product, at the sole discretion of Clarion.

If it becomes necessary to send the product or any defective part to Clarion, the product must be shipped in its original carton or equivalent carton, fully insured, with shipping charges prepaid. Clarion will not assume any responsibility for any loss or damage incurred in shipping.

ALL IMPLIED WARRANTIES EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW SHALL HAVE NO GREATER DURATION THAN THE WARRANTY PERIOD SET FORTH ABOVE. UNDER NO CIRCUMSTANCES SHALL CLARION CORPORATION BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OR INABILITY

TO USE OF THE PRODUCT. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE THE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

Should you have any difficulties with the performance of this product during warranty, please call: 1-800-GO-CLARION or visit your local Ungo Pro Security dealer. You may also contact the National Service Manager at the following address below for additional service help you may need.

Clarion Corporation of America
Attn: National Service Manager
661 W. Redondo Beach Blvd.
Gardena, Ca 90247

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standard configuration



controls the **Lock/Panic ON/Panic OFF** function.



controls the **Unlock** function.

AUX

controls **Silent Lock/Unlock** and an **Auxiliary Output**.



controls **remote engine start**.



controls **Timer** mode.

AUX



controls **Turbo/Short Run**.



+

AUX

controls **Channel 4** output.

what is included

- Control module
- Receiver/antenna
- Two four-button remotes
- Blue status LED indicator light
- Push-button Override switch
- Shut-down toggle switch

important information

Congratulations on the purchase of your remote engine start keyless entry system. Due to the complexity of this system, it must be installed by an authorized dealer only. Installation of this product by anyone other than an authorized dealer voids the warranty.

By carefully reading this Owner's Guide prior to using your system, you will maximize the use of this system and its features.

system maintenance

The system requires no specific maintenance. Your remote is powered by a small, lightweight 3-volt lithium battery that will last approximately one year under normal use. When the battery begins to weaken, operating range will be reduced and the LED on the remote will dim.

FCC/ID notice

This device complies with Part 15 of FCC rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesirable operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.


***CAUTION:** This product is designed for fuel injected, automatic transmission vehicles only. Use of this product in a standard transmission vehicle is dangerous and contrary to the product's intended use.*

remote functions


The receiver uses a computer-based learn routine to learn the remote buttons. This makes it possible to assign any specific remote button, or combination of buttons, to any receiver function. The remote initially comes programmed with the Standard Configuration, but may also be customized by an authorized dealer. The remote buttons indicated in all of the instructions in this manual correspond to a Standard Configuration remote.

standard configuration



Button

The lock and panic functions are controlled by pressing  on the remote for one second.

Button

The unlock function is controlled by pressing  on the remote for one second.

AUX **Button**

Silent Lock/Unlock and an optional auxiliary function are controlled by this button in conjunction with the  or  button. (An optional auxiliary function, such as trunk release, can be controlled by pressing this button for 1.5 seconds.

The auxiliary output controls _____.

Button

The remote engine start function of your system is controlled by pressing this button twice within 3 seconds.

and **Buttons**

An optional auxiliary convenience or expansion function that you have added to your system can be activated by pressing these buttons simultaneously.

The auxiliary output controls _____.

using your system

warning! safety first


The following safety warnings must be observed at all times:

- Due to the complexity of this system, installation of this product must only be performed by an authorized dealer.
- When properly installed, this system can start the vehicle via a command signal from the remote. Therefore, never operate the system in an enclosed area or partially enclosed area without ventilation (such as a garage). When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote engine start system must be disabled using the installed toggle switch. It is the user's sole responsibility to properly handle and keep out of reach from children all remotes to assure that the system does not unintentionally remote engine start the vehicle. **THE USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST AT ALL TIMES REMAIN CLOSED.** These precautions are the sole responsibility of the user.
- Use of this product is intended only for automatic transmission vehicles Use of this product in a manner contrary to its intended mode of operation may result in property damage, personal injury, or death. (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the keys in the ignition. The user must also have the neutral safety feature of the vehicle periodically checked, wherein the vehicle must not remotely start while the car is in

gear. This testing should be performed by an authorized dealer in accordance with the Safety Check outlined in the product installation guide. If the vehicle starts in gear, cease remote engine start operation immediately and consult with the authorized dealer to fix the problem.

- After the remote engine start module has been installed, contact your authorized dealer to have him or her test the remote engine start module by performing the Safety Check outlined in the product installation guide. If the vehicle starts when performing the Neutral Safety Shutdown Circuit test, the remote engine start unit has not been properly installed. The remote engine start module must be removed or the installer must properly reinstall the remote engine start system so that the vehicle does not start in gear. All installations must be performed by an authorized dealer. **OPERATION OF THE REMOTE START MODULE IF THE VEHICLE STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPERATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY. YOU MUST IMMEDIATELY CEASE THE USE OF THE UNIT AND SEEK THE ASSISTANCE OF AN AUTHORIZED DEALER TO REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. UNGO WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.**

locking


Pressing  for one second locks the doors (if the door locks are connected) and activates the starter kill. The horn will honk (if connected) and the parking lights will flash once to confirm arming of the system. While the system is locked, the status LED will flash once per second. The Starter Kill (if installed) will also prevent the vehicle's starter from cranking.

The system can also be programmed to arm the optional Starter Kill automatically (called Passive Mode). If the system has been programmed for Passive Mode, the Starter Kill will automatically activate 30 seconds after the ignition has been turned off. After the ignition has been turned off, the status LED will flash rapidly to indicate that the system is in Passive Mode.

If Passive Mode has been programmed on, then it is also possible to program the system for Passive Locking. With Passive Locking, the vehicle doors lock automatically at the same time that the Starter Kill is activated. If Passive Locking is programmed on, care must be taken to prevent the keys from being locked in the vehicle.

***NOTE:** For Passive Mode to be effective, the Starter Kill relay must be installed.*

unlocking

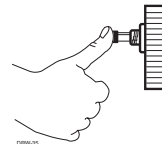
Pressing  for one second unlocks the doors (if connected). The horn will honk twice (if connected) and the parking lights will flash twice to confirm unlocking of the system. The optional Starter Kill will be deactivated. The status LED will turn off, unless the system is programmed for Passive Mode. In Passive Mode, the status LED will flash rapidly when the system is disabled. This indicates that the system will re-engage the starter kill and re-lock the doors (if Passive Locking has been programmed) in 30 seconds unless the ignition is turned on.

disabling the starter kill without a remote

If your remote is lost or damaged, you can manually override the starter kill. To do this, you must have the vehicle's ignition key and know where the Override switch is located. Be sure to check with the installer for the location of the Override switch.



To override the starter kill, turn the ignition on and press the Override switch within 10 seconds. The status LED will stop



flashing and the vehicle should start. If it does not start, you may have waited too long; turn the ignition off and repeat the process.

LOCATION OF OVERRIDE SWITCH _____

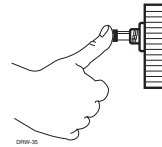
override mode

You can prevent your system from automatically activating the Starter Kill and locking the doors by using override mode. This is very useful when washing the vehicle or having it serviced. In override mode, the starter kill cannot be activated, even with the remote, but all convenience functions (door locks, remote engine start, etc.) will continue to work normally.

To enter or exit override mode:






1. Turn the ignition on.
2. Turn the ignition off.
3. Press and release the Override switch within 10 seconds.



The status LED will light continuously if you are entering override mode and will turn off if you are exiting override mode.

panic mode

If you are threatened in or near your vehicle, you can attract attention by triggering the system with your remote. Just press  for 1.5 seconds to enter panic mode. In panic mode, the horn will honk and the parking lights will flash for 30 seconds. To stop panic mode at any time, press , or  on the remote.



***NOTE:** In order for panic mode to be effective, the vehicle's horn (or optional siren) as well as the vehicle's parking lights must be connected.*

remote engine start

This feature allows you to remotely start and run your vehicle for a programmable period of time. This makes it possible to warm up the engine, as well as adjust the interior temperature of the vehicle with the climate control system. If interior heating or cooling is desired, the climate controls must be preset, and the fan blower must be set to the desired level prior to remote engine starting the vehicle.

IMPORTANT! (1) *This product is not for use in manual transmissions.*
(2) *Never remotely start the vehicle with the key in the ignition.*

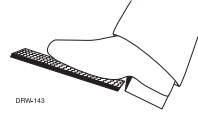
To remote engine start the vehicle:

1. Press the  button twice within 3 seconds on the remote.
2. The parking lights will flash to confirm that the vehicle will attempt to start.
3. Release the  button as soon as the parking lights flash. (In gasoline vehicles, the engine will start 4 seconds after the parking lights flash. In diesel vehicles, the engine will start when the WAIT-TO-START indicator on the vehicle's dash goes out.)
4. Once the vehicle has started, it will run for the pre-programmed period of time (either 12, 24, or 60 minutes - see Programming Options section of this guide) or until a shutdown input is triggered.

When you are ready to drive the vehicle:




1. Insert the ignition key and turn it to the RUN (not the START) position.



2. Press the brake pedal.

Note: If the brake pedal is pressed before the key is in the ON position, the engine will shut down.


While the vehicle is running during remote engine start operation, the system will monitor the vehicle and will automatically shut down the engine if the system receives any of the following shut-down inputs:

- The brake pedal is pressed.
- The hood is opened.
- The shutdown toggle switch is put into the OFF position.
- The pre-programmed run time (12, 24, or 60 minutes) has elapsed.
- Remote button  is pressed twice in 3 seconds to start the vehicle.

take-over mode

The Override take-over feature allows the vehicle to remain running after the key has been removed from the ignition. This feature is useful for occasions when you wish to exit and lock the vehicle for short periods of time, but would like to leave the motor running and the climate controls on.

To perform Take-over mode:

1. Before turning off the engine, press and release  on the remote twice in 3 seconds (or press and release the optional momentary switch). The parking lights will flash for confirmation.
2. Turn the ignition key to the OFF position. (The engine will stay running.)
3. The engine will run until the pre-programmed time elapses or a shut-down input is received. (See the previous remote engine start section for a complete list of shut-down inputs.)



NOTE: This feature will not work if the brake pedal is being pressed.

short-run/turbo




Short-run turbo mode keeps the engine running after arriving at your destination for a programmable period of 1, 3, 5 or 10 minutes. This allows the system's timer to conveniently cool down the turbo after you have left the vehicle.



To activate:

1. Park the vehicle and set parking brake.
2. Remove your foot from the brake pedal and leave the engine running.

3. Press and release the  and  buttons at the same time.
4. The lights will flash to indicate the remote engine start has entered short run turbo mode.
5. Turn off the key, the engine will keep running.
6. Exit and secure the vehicle.
7. The engine will turn off after the programmed run time.

timer mode

By pressing the remote  and  buttons the parking lights will flash 4 times and then start the vehicle and run for the set duration. The remote engine start can be shut off by the remote by pressing the remote engine start button  and remain in timer mode, but if any other shut down zones or the ignition becomes active the timer mode will cancel.

1. Press Timer mode buttons.
2. The vehicle will confirm with 4 parking light flashes.
3. A 1-second delay will start.
4. The system will start the car and will run for the specified duration, unless shut down by the remote engine start button  .
If shut down with the remote start button  the system will remain in timer mode.
5. The system will start every 3 hours until canceled by the brake, hood, or neutral safety shut-down wires.

To exit timer mode, turn the ignition switch on any time the engine is running. The parking lights will flash 4 times, indicating timer mode has been exited.

6. The system will start every 3 hours until canceled by the brake, hood, or neutral safety shut-down wires.

important! *Timer Mode should be used only in open areas. Never start and run the vehicle in an enclosed space such as a garage or carport.*

starter anti-grind circuitry

Whenever the vehicle is remote engine started, advanced anti-grind circuitry prevents the starter from engaging, even if the key is turned to the start position. This prevents damage to the starter motor if the key is turned to the start position during remote engine start operation.

NOTE: Anti-grind circuitry only works when the remote engine start system is operating the motor and the Starter Kill relay is installed.

disabling the remote engine start system

This feature allows your system's remote engine start unit to be temporarily disabled to prevent the vehicle from being remote started accidentally. This feature is useful if the vehicle is being serviced or stored in an enclosed area. To disable the remote engine start, move the shutdown toggle switch to the OFF position. The switch can be installed in a location of your choice. Check with your installer for recommended locations.

LOCATION OF SHUTDOWN SWITCH_____

power-up

This system will store its current state to non-volatile memory. If power is lost and then reconnected the system will recall the stored state from memory. This means if the unit is in override mode and the battery is disconnected for any reason, such as servicing the car, when the battery is reconnected the unit will still be in override mode. This applies to all states of the system including lock, unlock, and override mode.

programming options

Programming options control your system's normal, operational set-up. Most options do not require additional parts, but some may require additional installation labor. This system's programming options are listed below, with the factory default settings in bold:

- **12**, 24, or 60 minute run time. Your system can be programmed to allow the vehicle to run for 12, 24, or 60 minutes when remote engine started or in Timer Mode.
- Parking lights **flashing** or constant. Your system can be programmed to either flash or to turn on the parking lights constantly during the entire remote engine start operation.
- Passive Mode or **Active Mode**. In Passive Mode the Starter Kill will automatically activate 30 seconds after the ignition has been turned off.

- Ignition switch-controlled door-locking **on** or off. With this feature on, the doors will lock 3 seconds after the ignition key is turned on, and unlock when the ignition key is turned off.
- Passive Locking or **Active Locking** (doors lock only with the remote). With Passive Locking, the vehicle doors lock automatically 30 seconds after the ignition has been turned off. Passive Locking can only be selected when the system has been programmed for Passive Mode.
- The horn honk confirmations for locking and unlocking can be programmed **on** or off. In order for this feature to be programmed on, the horn must be connected to the system.

glossary of terms

Control Unit: The “brain” of your system. Usually hidden underneath the dash area of the vehicle. It houses the microprocessor which monitors your vehicle and controls all system functions.

Starter Kill: An automatic switch controlled by your system which prevents the vehicle’s starter from cranking whenever the system is activated. The vehicle is never prevented from cranking when the system is deactivated, in override mode, or if the starter kill switch itself fails. Your system has feature-ready circuitry for the starter kill, however installation may require additional labor.

LED: A blue light mounted at a discretionary location inside the vehicle. It is used to indicate the status of your system.

Remote: A hand-held, remote control which operates the various functions of your system.

Override Switch: A small push-button mounted at a discrete location inside the vehicle. It is used to override the Starter Kill when a remote is lost or damaged, or to enter or exit override mode.

convenience expansions

Listed below are some of the many expansion options available for use with your system. Some options may require additional parts and/or labor. Please consult with your dealer for a complete list of options available for use with this system.

Domelight Supervision: The domelight will illuminate for 30 seconds each time the system is disarmed using the remote. This is useful for seeing inside the vehicle at night prior to entering it.

Power Door Lock Control: Your system is capable of controlling many types of power door lock systems; however, some door lock systems may require extra parts. Consult with your dealer to determine which type of locks your vehicle uses. If power locks are connected, the system can be programmed to lock the doors automatically 30 seconds after the ignition has been turned off. The system can also be programmed to lock the doors when the ignition is turned on and to unlock them when the ignition is turned off.


Power Trunk Release: The system's auxiliary output can be programmed to operate a factory power release for the vehicle's trunk or hatch. If the factory release is not power-activated, trunk-release solenoid can often be added.

Power Window Control: Power window control can be provided by one of two systems. The first system provides control that will roll up two windows automatically when the system is armed, or roll two windows down by using the remote. The second system will roll two windows both up and down. This second system also provides one touch switch operation.


Progressive Door Unlocking: For added security, your system can be configured to unlock the driver's door only, leaving the passenger doors locked. Pressing the unlock button an additional time will unlock the passenger doors. This option requires additional parts and labor.

QUICK REFERENCE GUIDE:

To lock using your remote

- To lock the system press  for one second. The doors will lock (if connected). The LED will begin to flash. The Starter Kill will prevent the vehicle's starter from cranking if it has been installed. The vehicle's horn (if connected) will honk and the parking lights will flash once to confirm activation of the system.


To unlock using your remote

- To unlock the system press  for one second. The doors will unlock (if connected). The Starter Kill will be deactivated and the vehicle's horn (if connected) will honk twice and the parking lights will flash twice.

Disabling the Starter Kill without a remote

- Turn on the ignition. Press and release the Override switch within 10 seconds. The LED will stop flashing and the vehicle should start. Be sure to check with the installer for the location of the Override switch.

To remote engine start the vehicle

- Press  twice within 3 seconds. The parking lights will turn on (if connected) and the vehicle will start and run for the programmed amount of time.

To enter or exit override mode

- Turn the ignition to the "ON" position. Turn the ignition back off. Press and release the Override switch within 10 seconds. The status LED will light continuously if you have entered override mode. To exit override mode, repeat the steps above. The LED will turn off when exiting override mode.

To activate panic mode

- Press and hold  for 1.5 seconds.

To disable the remote engine start system

- To disable the remote engine start, move the shutdown toggle switch to the OFF position.

Location of Shutdown Switch _____

***Get Started
Get Protected***



Ungo Pro Security
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800-GO-CLARION